

## ABSTRACT

A process for the preparation of an acrylic acid ester polymer, includes carrying out polymerization of an acrylic acid ester or block copolymerization of an acrylic acid ester and another (meth)acrylic monomer in the presence of an organolithium compound and an organoaluminum compound represented by the following formula (I):



wherein  $\text{R}^1$  represents an alkyl group having at least 3 carbon atoms, an alkoxy group having at least 3 carbon atoms or an aryloxy group,  $\text{R}^2$  and  $\text{R}^3$  each independently represent an aryloxy group or may be coupled together to form an arylenedioxy group. The process makes it possible to heighten the reaction rate and living properties upon polymerization and heighten the block formation efficiency upon block copolymerization.

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